



2016

DRIVE YOUR COUNTY TO THE
TOP TEN

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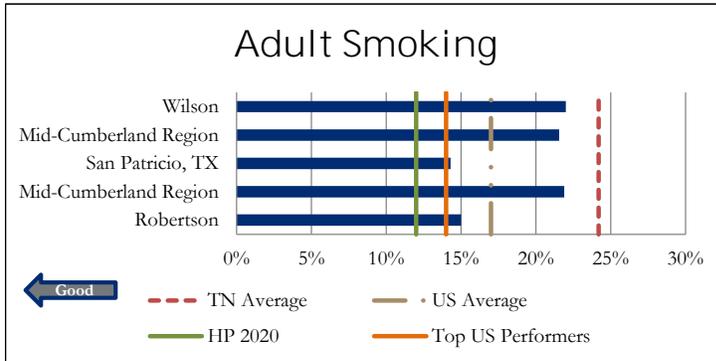
Robertson County

TN

Department of
Health

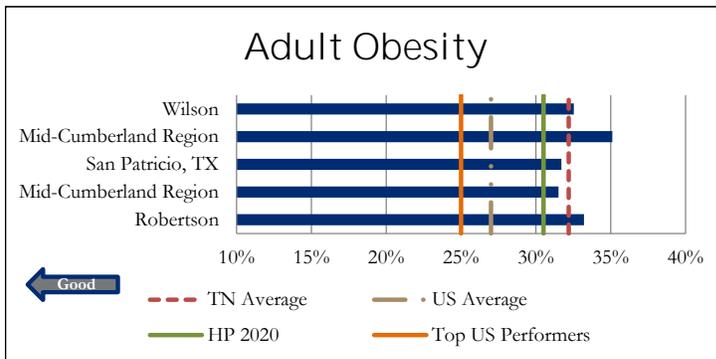
Demographics

Population:	68,079	<18 YOA:	25.13%	65+ YOA:	13.52%	% Rural:	53.20%
Unemployment:	5.69%	% Females:	50.90%	% Males:	49.10%	Graduation Rate:	93.00%
Single parent households:	30.96%	MHI:	\$52,640				



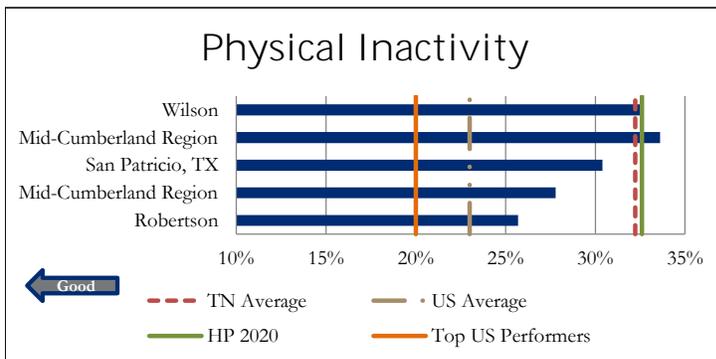
Top Third

Measure	Value
Income Inequality	3.43
Poor Physical Health Days	4.20
Food Environment Index	8.10
Poor or Fair Health	18.60%
Poor Mental Health Days	4.40
Children in Poverty	18.60%
Severe Housing Problems	11.18%
Access to Exercise Opportunities	78.98%
Unemployment	5.69%
Adult Smoking	22.00%



Middle Third

Measure	Value
Uninsured	16.08%
Injury Deaths	83.36
Children in Single-Parent Households	30.96%
Mental Health Providers	2269:1
Dentists	3404:1
Social Associations	10.98
Primary Care Physicians	2496:1
Mammography Screening	59.00%
Teen Births	51.04
Sexually Transmitted Infections	343.64



Bottom Third

Measure	Value
Excessive Drinking	13.00%
Air Pollution - Particulate Matter	14.35
Long Commute - Driving Alone	47.80%
Adult Obesity	35.10%
Violent Crime	436.70
Alcohol-Impaired Driving Deaths	33.93%
Diabetic Monitoring	85.45%



Tennessee's Big 3 + 1

Why were these charts selected? The "Big 3 + 1" directly influences at least six of the top ten leading causes of death in Tennessee, and also directly influence other public health threats, such as heart disease, cancer, and diabetes. Overall, the Big Three plus One influences two-thirds of the factors that contribute to Tennessee's overall rank.

Comparative Counties:

Each graph provides the Tennessee county with its respective region and three non-Tennessee comparative counties from around the US based on county-level demographics. The vertical lines represent: the TN Average, the US Average, Top US Performers (top 10%) and the Healthy People 2020 (HP) Goal. For all measures a decrease (shift left) in percentage represents improvement.

YOYA: Years of Age. MHI: Median Household Income. HP 2020: Healthy People 2020 Goal. Adult Smoking: Percentage of adults who are current smokers. Source: Behavioral Risk Factor Surveillance System; 2006-2012. Adult Obesity: Percentage of adults that report a BMI of 30 or more. Source: CDC Diabetes Interactive Atlas; 2011. Physical Inactivity: Percentage of adults aged 20 and over reporting no leisure-time physical activity. Source: CDC Diabetes Interactive Atlas; 2011. Prepared by the Division of Administrative Services, Tennessee Department of Health. Nashville, TN. admin.health@tn.gov or 615-741-5001.

Health Outcomes	Length of Life	Premature Death									
		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
		21	Knox	8527.70	7735.80	791.90	↑Bad ↓Good	6,600.00	Johnson, TX	7534.00	
		For every 100 people in the county, 1 people in the county need to live one year closer to age 75.							Hardin, KY	7365.30	
		Source		National Center for Health Statistics - Mortality files			Year(s)	2011-2013	San Patricio, TX	8295.50	
Health Outcomes	Quality of Life	Poor or Fair Health*									
		Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
		5	Williamson	18.60%	13.70%	4.90%	↑Bad ↓Good	18.00%	Johnson, TX	14.70%	
		Improve the health of 5 out of every 100 people in the county who, in general, report being in poor or fair health.							Hardin, KY	19.90%	
		Source		Behavioral Risk Factor Surveillance System			Year(s)	2014	San Patricio, TX	21.10%	
		Description		Percentage of adults reporting fair or poor health (age-adjusted)							
	Quality of Life	Poor Physical Health Days*									
		Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
		3	Williamson	4.20	3.40	0.80	↑Bad ↓Good	3.8	Johnson, TX	3.20	
		Engage people in the county on ways to reduce number of poor physical health days reported by residents by 1 days per month.							Hardin, KY	4.50	
		Source		Behavioral Risk Factor Surveillance System			Year(s)	2014	San Patricio, TX	3.60	
		Description		Average number of physically unhealthy days reported in past 30 days (age-adjusted)							
Quality of Life	Poor Mental Health Days*										
	Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	6	Williamson	4.40	3.80	0.60	↑Bad ↓Good	2.8	Johnson, TX	3.00		
	Engage people in the county on ways to reduce number of poor physical health days reported by residents by 1 days per month.							Hardin, KY	4.00		
	Source		Behavioral Risk Factor Surveillance System			Year(s)	2014	San Patricio, TX	3.10		
	Description		Average number of mentally unhealthy days reported in past 30 days (age-adjusted)								
Health Factors	Health Behaviors	Low Birthweight									
		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
		28	Pickett	8.16%	7.24%	0.92%	↑Bad ↓Good	8.00%	Johnson, TX	7.55%	
		Reduce the number of low birth weight babies by 1 for every 100 live births.							Hardin, KY	7.31%	
		Source		National Center for Health Statistics - Natality files			Year(s)	2007-2013	San Patricio, TX	8.89%	
		Description		Percentage of live births with low birthweight (< 2500 grams)							
Health Factors	Health Behaviors	Adult Smoking*									
		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
		20	Humphreys	22.00%	21.10%	0.90%	↑Bad ↓Good	17.00%	Johnson, TX	15.00%	
		Get 5 out of every 100 current adult smokers in the county to quit smoking.							Hardin, KY	21.90%	
		Source		Behavioral Risk Factor Surveillance System			Year(s)	2014	San Patricio, TX	14.30%	
		Description		Percentage of adults who are current smokers							
Health Factors	Health Behaviors	Adult Obesity									
		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
		77	Hamilton	35.10%	29.90%	5.20%	↑Bad ↓Good	27.00%	Johnson, TX	33.20%	
		Get 15 out of every 100 current obese adults in the county to reduce their BMI below 30.							Hardin, KY	31.50%	
		Source		CDC Diabetes Interactive Atlas			Year(s)	2012	San Patricio, TX	31.70%	
		Description		Percentage of adults that report a BMI of 30 or more							
Health Factors	Health Behaviors	Food Environment Index									
		Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
		3	Williamson	8.10	8.8	0.7	↑Good ↓Bad	7.20	Johnson, TX	6.80	
		Increase the county's food index score by 0.7.							Hardin, KY	6.80	
		Source		USDA Food Environment Atlas, Map the Meal Gap			Year(s)	2013	San Patricio, TX	7.30	
		Description		Index of factors that contribute to a healthy food environment, 0 (worst) to 10 (best)							

Prepared by the Division of Administrative Services, Tennessee Department of Health, Nashville, TN. May 2016. admin.health@tn.gov or 615-741-9398. The full report can be accessed at: <http://tn.gov/health/topic/specialreports>. All data is from the University of Wisconsin Population Health Institute and Robert Wood Johnson Foundation's, 2015 County Health Rankings and Roadmaps report. Difference statements represent the absolute value using the following formula: ["Value" - "10th Ranked Value"]. *The action statements are based on the assumption that no new additional cases occur. **Data should not be compared with prior years due to changes in definition/methods. All rankings and action statements presented in this report must be interpreted with caution due to various limitations of each measurement. Further information with regards to the strengths and limitations of each measurement may be found by clicking the hyperlink found in the description of each measurement.

Health Factors		Health Behaviors		Physical Inactivity							Peer County		Peer Value	
				Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Percentage of adults aged 20 and over reporting no leisure-time physical activity		23	Shelby	33.60%	30.20%	3.40%	↑Bad ↓Good	23.00%	Johnson, TX	25.70%				
		Get 11 out of every 100 currently physically inactive adults to exercise during leisure time.							Hardin, KY	27.80%				
		Source			CDC Diabetes Interactive Atlas			Year(s)		2012	San Patricio, TX	30.40%		
		Access to Exercise Opportunities		Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
Percentage of population with adequate access to locations for physical activity		9	Sevier	78.98%	82.47%	3.49%	↑Good ↓Bad	84.00%	Johnson, TX	70.48%				
		Consider how to remove barriers to access exercise locations to reach an additional 3.49 percent of the county's population.							Hardin, KY	73.15%				
		Source			Business Analyst, Delorme, ESRI, & US Census Tigerline Files			Year(s)		2010 & 2014	San Patricio, TX	69.05%		
Percentage of adults reporting binge or heavy drinking		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value				
		89	Benton	13.00%	10.60%	2.40%	↑Bad ↓Good	17.00%	Johnson, TX	19.00%				
		Get 19 out of every 100 adults in the county that currently drink to excess (binge and heavy drinkers) to stop drinking more than one (women) or two (men) drinks per day on average.							Hardin, KY	13.10%				
		Source			Behavioral Risk Factor Surveillance System			Year(s)		2014	San Patricio, TX	17.10%		
Percentage of driving deaths with alcohol involvement		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value				
		65	Sullivan	33.93%	19.17%	14.76%	↑Bad ↓Good	31.00%	Johnson, TX	23.81%				
		Reduce the number of alcohol related driving deaths by 14.76 percent.							Hardin, KY	21.18%				
		Source			Fatality Analysis Reporting System			Year(s)		2010-2014	San Patricio, TX	27.59%		
Number of newly diagnosed chlamydia cases per 100,000 population		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value				
		59	Overton	343.64	153.22	190.42	↑Bad ↓Good	446.60	Johnson, TX	323.90				
		Consider ways to educate 6 out of every 10 persons self-reporting to be involved in any sexual contact to commit to using safe sex practices to prevent the infection of Chlamydia.							Hardin, KY	490.54				
		Source			National Center for HIV/AIDS, Viral Hepatitis, STD, & TB Prevention			Year(s)		2013	San Patricio, TX	454.27		
Teen birth rate per 1,000 female population, ages 15-19		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value				
		55	Putnam	51.04	34.87	16.17	↑Bad ↓Good	35.00	Johnson, TX	51.08				
		For every 100 teenage females (ages 15 to 19 years) in the county, consider ways to prevent 32 teen(s) from becoming pregnant.							Hardin, KY	48.45				
		Source			National Center for Health Statistics - Natality files			Year(s)		2007-2013	San Patricio, TX	65.76		
Percentage of population under age 65 without health insurance		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value				
		35	Cheatham	16.08%	14.54%	1.54%	↑Bad ↓Good	17.00%	Johnson, TX	24.23%				
		Get 10 out of every 100 currently uninsured adults ages 18-64 to obtain health insurance.							Hardin, KY	14.86%				
		Source			Small Area Health Insurance Estimates			Year(s)		2013	San Patricio, TX	21.80%		
Ratio of population to primary care physicians		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value				
		51	Coffee	2496:1	1368:1	1128	↑Bad ↓Good	1320:1	Johnson, TX	2063:1				
		To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 41 primary care providers would need to be recruited to the county. More importantly, if the county's value is greater than 3,500, this county would be considered a Health Professional Shortage Area.							Hardin, KY	1546:1				
		Source			Area Health Resource File/American Medical Association			Year(s)		2013	San Patricio, TX	3674:1		
Ratio of population to dentists		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value				
		47	Dickson	3404:1	1744:1	1660	↑Bad ↓Good	1540:1	Johnson, TX	2863:1				
		To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 35 dental care providers would need to be recruited to the county. More importantly, if the county's value is greater than 5,000, this county would be considered a Health Professional Shortage Area.							Hardin, KY	1140:1				
		Source			Area Health Resource File/National Provider Identification file			Year(s)		2014	San Patricio, TX	2788:1		

Health Factors	Clinical Care	Mental Health Providers		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		Ratio of population to mental health providers		43	Henry	2269:1	644:1	1625	↑Bad ↓Good	490:1	Johnson, TX	1514:1
		To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 136 mental health providers would need to be recruited to the county. More importantly, if the county's value is greater than 30,000, this county would be considered a Health Professional Shortage Area.									Hardin, KY	325:1
		Source			CMS, National Provider Identification file			Year(s)		2015	San Patricio, TX	2159:1
		Preventable Hospital Stays		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
Number of hospital stays for ambulatory-care sensitive conditions per 1,000 Medicare enrollees		60	Anderson	80.62	50.27	30.35	↑Bad ↓Good	54.00	Johnson, TX	76.67		
		For every 100 Medicare enrollees, prevent 1 Medicare enrollees from being hospitalized for ambulatory-care sensitive conditions.									Hardin, KY	86.85
		Source			Dartmouth Atlas of Health Care			Year(s)		2013	San Patricio, TX	68.42
		Diabetic Monitoring		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
Percentage of diabetic Medicare enrollees ages 65-75 that receive HbA1c monitoring		64	Giles	85.45%	89.20%	3.75%	↑Good ↓Bad	63.00%	Johnson, TX	83.58%		
		For every 100 diabetic Medicare enrollees, get 4 additional Medicare enrollees to receive HbA1c screening.									Hardin, KY	85.23%
		Source			Dartmouth Atlas of Health Care			Year(s)		2013	San Patricio, TX	81.45%
		Mammography Screening		Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
Percentage of female Medicare enrollees ages 67-69 that receive mammography screening		52	Cumberland	59.00%	71.00%	12.00%	↑Good ↓Bad	63.00%	Johnson, TX	57.00%		
		For every 100 female Medicare enrollees, get 12 additional Medicare enrollees to receive their mammography screening.									Hardin, KY	59.00%
		Source			Dartmouth Atlas of Health Care			Year(s)		2013	San Patricio, TX	56.00%
		High School Graduation		Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
Percentage of ninth-grade cohort that graduates in four years		22	Tipton	93.00%	98.00%	5.00%	↑Good ↓Bad	82.00%	Johnson, TX	91.66%		
		For every 100 ninth graders, assist 5 additional ninth graders to graduate within four years.									Hardin, KY	89.50%
		Source			EDFacts			Year(s)		2012-2013	San Patricio, TX	91.21%
		Some College		Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
Percentage of adults ages 25-44 years with some post-secondary education		25	Shelby	51.11%	62.28%	11.18%	↑Good ↓Bad	64.00%	Johnson, TX	51.60%		
		For every 100 adults between 25-44 years of age, assist 12 additional adults to complete some coursework at the collegiate level.									Hardin, KY	64.31%
		Source			American Community Survey			Year(s)		2010-2014	San Patricio, TX	54.15%
		Unemployment		Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
Percentage of population ages 16 and older unemployed but seeking work		10	Sumner	5.69%	5.28%	0.41%	↑Bad ↓Good	6.20%	Johnson, TX	4.98%		
		For every 100 persons ages 16 years and older, help 1 persons successfully find employment.									Hardin, KY	6.25%
		Source			Bureau of Labor Statistics			Year(s)		2014	San Patricio, TX	6.18%
		Children in Poverty		Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
Percentage of children under age 18 in poverty		6	Montgomery	18.60%	17.30%	1.30%	↑Bad ↓Good	22.00%	Johnson, TX	19.00%		
		For every 100 children (under 18 years) in poverty, help 7 children to find assistance to get out of poverty.									Hardin, KY	21.80%
		Source			Small Area Income and Poverty Estimates			Year(s)		2014	San Patricio, TX	23.60%
		Income Inequality		Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
Ratio of household income at the 80th percentile to income at the 20th percentile		2	Moore	3.43	3.34	0.09	↑Bad ↓Good	4.70	Johnson, TX	3.80		
		To reach a household income ratio at or below that of the 1st ranking county reduce the gap between the 80th percentile and 20th percentile by 1 household(s).									Hardin, KY	4.22
		Source			American Community Survey			Year(s)		2010-2014	San Patricio, TX	4.53

Health Factors	Social & Economic Factors	Children in Single-Parent Households	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		Percentage of children that live in a household headed by single parent	36	Lawrence	30.96%	23.36%	7.59%	↑Bad ↓Good	34.00%	Johnson, TX	28.31%
For every 100 single parent households in the county, investigate ways to encourage 25 households to be a multi-parent household.								Hardin, KY	35.34%		
Source			American Community Survey			Year(s)		2010-2014	San Patricio, TX	34.75%	
Social Associations	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	48	Johnson	10.98	16.13	5.15	↑Good ↓Bad	9.00	Johnson, TX	8.34		
Number of membership associations per 10,000 population	For every 100 people in the county, increase the number of membership associations by 1.								Hardin, KY	10.35	
	Source			County Business Patterns			Year(s)		2013	San Patricio, TX	10.89
Violent Crime	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	68	Carter	436.70	206.33	230.37	↑Bad ↓Good	392.00	Johnson, TX	241.70		
Number of reported violent crime offenses per 100,000 population	For every 100 persons in the county, prevent 53 people from committing a violent crime.								Hardin, KY	159.29	
	Source			Uniform Crime Reporting - FBI			Year(s)		2010-2012	San Patricio, TX	324.41
Injury Deaths	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	35	Washington	83.36	70.04	13.32	↑Bad ↓Good	60.00	Johnson, TX	60.60		
Number of deaths due to injury per 100,000 population	For every 1,000 population consider ways to prevent 160 deaths as a result of intentional and unintentional injury.								Hardin, KY	63.84	
	Source			CDC WONDER mortality data			Year(s)		2009-2013	San Patricio, TX	63.91
Air Pollution - Particulate Matter	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	82	Greene	14.35	13.14	1.21	↑Bad ↓Good	11.40	Johnson, TX	9.62		
Average daily density of fine particulate matter in micrograms per cubic meter (PM2.5)	Reduce the average daily measure of fine particulate matter by 1.21 micrograms per cubic meter (PM2.5).								Hardin, KY	13.61	
	Source			CDC WONDER Environmental data			Year(s)		2011	San Patricio, TX	8.58
Drinking Water Violations	Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	No Rank	NA	Yes	No	NA	NA	NA	Johnson, TX	Yes		
Percentage of population potentially exposed to water exceeding a violation limit during the past year	At least one community water system in the county receive a violation during the specific timeframe								Hardin, KY	No	
	Source			Safe Drinking Water Information System			Year(s)		FY2013-14	San Patricio, TX	Yes
Severe Housing Problems	Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	7	Hawkins	11.18%	10.40%	0.78%	↑Bad ↓Good	19.00%	Johnson, TX	13.70%		
Percentage of households with at least 1 of 4 housing problems: overcrowding, high housing costs, or lack of kitchen or plumbing facilities	For every 100 persons in the county experiencing housing problems, help 7 person(s) to find housing assistance.								Hardin, KY	11.49%	
	Source			Comprehensive Housing Affordability Strategy (CHAS) data			Year(s)		2008-2012	San Patricio, TX	16.89%
Driving Alone to Work	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	21	Grundy	82.34%	80.27%	2.07%	↑Bad ↓Good	76.00%	Johnson, TX	84.53%		
Percentage of the workforce that drives alone to work	For every 100 persons that currently drive alone to work, convince 3 to carpool or take mass-transportation.								Hardin, KY	80.47%	
	Source			American Community Survey			Year(s)		2010-2014	San Patricio, TX	83.06%
Long Commute - Driving Alone	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value		
	80	Hamilton	47.80%	25.20%	22.60%	↑Bad ↓Good	31.00%	Johnson, TX	48.70%		
Among workers who commute in their car alone, the percentage that commute more than 30 minutes	For every 100 persons that currently drive more than 30 minutes alone to work, convince 48 to carpool or take mass-transportation.								Hardin, KY	25.70%	
	Source			American Community Survey			Year(s)		2010-2014	San Patricio, TX	34.40%

Social & Economic Factors

Physical Environment